

**CANM  
ACMN**

**OANM**



**Eastern Great Lakes  
Chapter-SNM**

**ANNUAL SCIENTIFIC  
MEETING**

**Final Program**

**RÉUNION SCIENTIFIQUE  
ANNUELLE**

**Programme final**

**April 28-30, 2011  
du 28 au 30 avril 2011**

**Marriott Gateway on the Falls  
Niagara Falls, Ontario**



*Canadian Association of Nuclear Medicine / Association canadienne de médecine nucléaire  
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**2011– JOINT CANM / OANM/ EGL-SNM ANNUAL SCIENTIFIC CONFERENCE**  
**RÉUNION SCIENTIFIQUE ANNUELLE 2011 CONJOINTE**  
**ENTRE L'ACMN / OANM / EGL-SNM**

**Wednesday, April 27, 2011 / Le mercredi 27 avril 2011**

- 1200 -1300 **CANM BOARD OF DIRECTORS LUNCH** (Closed) - *Fallsview Private Dining Room*  
*Déjeuner du Conseil de l'ACMN (Séance privée)*
- 1300 -1700 **CANM BOARD OF DIRECTORS MEETING** (closed) - *Fallsview Private Dining Room*  
*Réunion du Conseil de l'ACMN (Séance privée)*
- 1300 -1800 **EXHIBITS AND POSTERS SET-UP** - *Oakes North and Corridor*  
*Exposants et affiches*
- 1700 -1800 **EGL EXECUTIVE MEETING** (closed) - *Maple*  
*Réunion du Conseil de l'EGL (Séance privée)*
- 1700 -1800 **OANM EXECUTIVE MEETING** (closed) - *Fallsview Private Dining Room*  
*Réunion du Conseil de l'OANM (Séance privée)*
- 1800 -1900 **WELCOME COCKTAIL, REGISTRATION & EXHIBITS OPEN** - *Oakes North*  
*Cocktail dînatoire, inscription et ouverture de l'exposition*

**Thursday, April 28, 2011 / Le jeudi 28 avril 2011**

- 0730 - 1700 **REGISTRATION/ Inscription** - *Oakes North Foyer*
- 0730 - 1700 **EXHIBITS CONTINUE / L'exposition continue** - *Oakes North*
- 0730 - 0815 **BREAKFAST / Petit déjeuner** - *Oakes North and Foyer*
- 0815 - 0830 **OPENING REMARKS / Discours d'ouverture** – Drs. Jean-Luc Urbain & Christopher O'Brien
- 0830 - 1200 **PLENARY 1 - BMD/Bone SPECT Symposium - Plénière 1** - *Oakes South*  
**Chair:** Dr. Daniel Levin
- 0830-0915 **Precision: The Theory and Practice** - Dr. Bill Leslie (*Winnipeg, MB*)  
*Objectives: PMD precision: What is it? Why do we need it? How do we use it?*
- 0915-1000 **Treatment of Osteoporosis** - Dr. Rick Adachi (*Hamilton, ON*)  
*Objectives: Review of current therapies and new therapies. Mechanism and action of therapies. Current controversies in treatment.*
- 1000-1030 **Refreshment Break / Pause santé** - *Oakes North*
- 1030-1115 **Guidelines for Pediatrics BMD** - Dr. Helen Nadel (*Vancouver, BC*)  
*Objectives: To outline current guidelines for bone mineral density measurement in children. To identify technique and clinical utility of evaluating serial BMD measurements in children.*
- 1115-1200 **Infectious Imaging: White Blood Cells and Bone Scanning** - Dr. Christopher J. Palestro (*New Hyde Park, NJ*)  
*Objectives: Understand the role of bone scan in evaluation of joint replacement. Understand role of labeled leukocyte studies in joint replacement evaluation. Interpret leukocyte/marrow scan for prosthetic joint infection.*
- 1200 - 1330 **LUNCHEON / Déjeuner** - *Oakes North and Foyer*

- 1330 - 1615** **PLENARY 2 - Radiation Safety & Probe Development - Plénière 2-** *Oakes South*  
**Chair:** Doug Abrams  
**1330-1415** **Radiation Safety** - Dr. D. Boreham (*Hamilton, ON*)  
*Objectives: To discuss the types of radiation doses from various diagnostic procedures and assess relative risks associated with the exposures. An overview of recent research on low dose radiation health effects will be presented.*
- 1415-1500** **Development of Molecular Imaging Probes-** Dr. Anne Goodbody (*Hamilton, ON*)  
*Objectives: Review of targeted imaging and the key attributes of molecular imaging probes. Outline of the validation and development of imaging probes. Discuss future directions for molecular imaging probe development.*
- 1500-1530** **Refreshment Break** - *Oakes North*
- 1530-1615** **CCK Hida: Background and Future Trends** - Dr. Harvey A. Ziessman (*Baltimore, MD*)  
*Objectives: Present background to CCC Cholescintigraphy. Understand physiology of sincalide gallbladder contraction. Implement new sincalide consensus recommendation in your practice.*
- 1630-1730** **CANM ANNUAL GENERAL MEETING** - *Oakes South*  
**Assemblée générale annuelle de l'ACMN**
- 1730-1830** **OANM ANNUAL GENERAL MEETING** - *Oakes South*  
**Assemblée générale annuelle de l'OANM**
- 1730-1830** **EGL ANNUAL GENERAL MEETING** - *Hennepin North*  
**Assemblée générale annuelle de l'EGL**
- 1900 - ON** **SOCIAL EVENING / Soirée sociale**  
 1900-2030- Wine Tasting at Peller Estates - **(Departure at 1900 sharp) (Please bring your signed release of liability form)**  
 2030-ON – Dinner on own (Please make your dinner reservations in advance if you wish to dine at the Peller Estates (905-468-6500) , you can of course come back to town for dinner)  
*(Transportation to and from Peller Estates will be provided between 1900 and 2230)*

## Friday, April 29, 2011 / Le vendredi 29 avril 2011

- 0730 - 1700** **REGISTRATION / Inscription** - *Oakes North Foyer*
- 0730 - 0800** **BREAKFAST / Petit déjeuner** - *Oakes North and Foyer*
- 0730 - 1700** **EXHIBITS CONTINUE / L'exposition continue** - *Oakes North*
- 0815 - 1100** **PLENARY 3 - Molecular Breast Imaging and Neuro Endocrine Experience - Plénière 3** - *Oakes South*  
**Chair:** Kennedy Mang'era  
**0815-0900** **Molecular Breast Imaging: The Mayo Clinic Experience** - Dr. Michael O'Connor (*Rochester, MN*)  
*Objectives: Understand the technology used in molecular breast imaging (MBI). Understand the importance of radiation dose in MBI relating to mammography. Know the primary clinical applications for molecular breast imaging.*
- 0900-0945** **Neuro Endocrine Experience: Diagnosis and Treatment** - Dr. Sandy McEwan (*Edmonton, AB*)  
*Objectives: Understand the principles of radioisotope therapy (RIT). Understand role of RIT in management of patients with NE tumors. Understand treatment options for this population of patients.*
- 0945-1015** **Refreshment Break** - *Oakes North*
- 1015-1100** **SPECT/CT and Sport Injuries** - Dr. Mark Cresswell (*Vancouver, BC*)  
*Objectives: To explain the role of hybrid nuclear medicine using routine bone scanning techniques enhanced by simultaneous CT acquisition and the impact that this has on patient management as a result of increased specificity in diagnosis. At the end of the lecture the audience will have a better understanding on when to order SPECT/CT Bone scanning as compared to routine bone scanning.*

1100 -1200

**AWARD, ABSTRACT AND POSTER PRESENTATIONS - Oakes South**

**Présentations orales des résumés**

Chair: Dr. Christopher O'Brien

**1100-1110 ERIC LEPP COMPETITION WINNER PRESENTATION - Rajan Rakheja  
(Montréal, QC)**

Round Cell Liposarcoma Presenting as an FDG Positive Primary with a FDG Negative Retroperitoneal Metastasis: A Pitfall for 18F-FDG PET/CT Imaging

**SELECTED ABSTRACT ORAL PRESENTATIONS**

**1110-1120** Management of Chronic Depression with Brain SPECT Imaging: A Case Report - Howard Schneider (Toronto, ON)

**1120-1130** Intravenous Administration of Diazepam Significantly Reduces Brown Fat Activity on 18F-FDG PET/CT - Rajan Rakheja (Montréal, QC)

**1130-1140** Quantitative Parameters for a Model of Whole Body Metabolic Tumour Burden in Patients with Diffuse Large B Cell Lymphoma Using PET/CT - Matthew Bligh (Halifax, NS)

**1140-1150** Comparison of Ejection Fraction Using MUGA Scanning and 3D Echocardiography - Peter A. Dutchak (Kingston, ON)

**1150-1200 POSTER PRESENTATIONS**

Role of High Definition Brain SPECT in the Evaluation of Non-convulsive Epilepsy Variants with Comorbidity - Dan G. Pavel (Deerfield, IL)

Validation of Tikhonov Adaptively Regularized Gamma Variate Fitting With 24-hour Plasma Clearance in Cirrhotic Patients With Ascites - Carl Wesolowski (St-John's, NL)

Factors Influencing Non-Cardiac Side Effects of Dipyridamole When Used for Myocardial Perfusion Stress Testing - Robert Miner (Ottawa, ON)

1200 - 1330

**LUNCHEON / Déjeuner - Oakes North and South**

1330 – 1415

**CONCURRENT A - (moved to Saturday)**

1330 -1700

**CONCURRENT B - Neuro-Psychiatric Trends in Nuclear Medicine – Oakes South**

Chair: Dr. Christopher O'Brien

**1330-1415 Diagnosing Dementia: Biomarkers for the Future - Dr. Howard Chertkow  
(Montréal, QC)**

*Objectives: Understand new terminology for Alzheimer's disease. Understand growing role and approaches to early diagnosis. Outline current and future workup approaches including imaging.*

**1415-1500 Alzheimer and PET - Dr. Jean-Paul Soucy (Montréal, QC)**

**1500-1530 Refreshment Break - Oakes North**

**1530-1615 Using 3-D SPECT Scanning in Clinical Psychiatry - Dr. John Rossiter Thornton  
(Toronto, ON)**

*Objectives: To provide a review of the application of 3-D SPECT scan technology in psychiatry. To demonstrate that, a) 3-D SPECT technology is more user friendly for psychiatrists, b) 3-D SPECT technology can be correlated with clinical presentation, c) 3-D SPECT technology can be used to review treatment effectiveness, d) 3-D SPECT technology facilitates interpretation of areas of hyperperfusion. To show that 3-D SPECT technology can be used as an educational tool for both the patient and the therapist to promote understanding and treatment of psychiatric disorders.*

**1615-1700 Brain SPECT Imaging - Dr. Phil Cohen (Vancouver, BC)**

*Objectives: Imaging modalities in psychiatry. Place of brain SPECT in psychiatry - indications and controversies. Clinical examples.*

1900 - 2130

**1900 - 1930 RECEPTION / Réception (CASH BAR / BAR PAYANT) – Hennepin Ballroom**

**1930 -2130 ANNUAL DINNER & AWARDS / DÎNER GALA ET REMISE DE PRIX - Hennepin Ballroom**

**CANM Emeritus Member 2011 - Dr. Al Driedger**

## Saturday, April 30, 2011 / Le samedi 30 avril 2011

- 0800 - 0900 **REGISTRATION / Inscription** - Oakes North Foyer
- 0800 - 0830 **BREAKFAST / Petit déjeuner** - Oakes North and South
- 0800 - 1030 **EXHIBITS CONTINUE / L'exposition continue** - Oakes North
- 0830 - 1200 **CONCURRENT C - Family Physicians' Symposium** - Salon A  
Chair: Dr. Sandi Plant
- 0830-0900 Cardiac CT and Myocardial Perfusion Imaging** - Dr. Mark Iwanochko (Toronto, ON)  
*Objectives: To describe the differences between atherosclerotic burden (CTA) and ischemic burden (MPI) and the role each plays in patient management. At the end of the lecture the audience will have a better understanding on when to order CTA and MPI studies and to apply the information to appropriate management.*
- 0900-0930 SPECT Lung Scintigraphy in the Diagnosis of Pulmonary Embolism**  
- Dr. Norman Laurin (Trois-Rivières, QC)  
*Objectives: To explain the strengths and weaknesses of SPECT Lung Scanning and CT assessment for pulmonary embolism. At the end of the lecture the audience will have a better understanding on when to order SPECT Lung Scans and when to order CT for pulmonary embolism assessment.*
- 0930-1000 SPECT-CT and Sport Injuries** - Dr. Mark Cresswell (Vancouver, BC)  
*Objectives: To explain the role of hybrid nuclear medicine using routine bone scanning techniques enhanced by simultaneous CT acquisition and the impact that this has on patient management as a result of increased specificity in diagnosis. At the end of the lecture the audience will have a better understanding on when to order SPECT/CT Bone scanning as compared to routine bone scanning.*
- 1000-1030 Refreshment Break** - Oakes North
- 1030-1100 Radiosynoviorthesis** - Dr. Éric Turcotte (Sherbrooke, QC)  
*Objectives: To expose and explain the role that radiation synovectomy has on patients who are not responding to traditional pain management regimes. At the end of the lecture the audience will have a better understanding on when to order this treatment and the strengths and weakness of this procedure. Molecular Breast Imaging: The Hamilton Experience.*
- 1100-1130 Molecular Breast Imaging: The Hamilton Experience** - Dr. Amit Singnurkar (Hamilton, ON)  
*Objectives: Background of molecular breast imaging. Explain organs project in Hamilton. Future of molecular breast imaging.*
- 1130-1200 BMD Sequential Imaging** - Dr. William Wong-Pack (Hamilton, ON)  
*Objectives: To explain when to order follow up BMD studies and why early follow up may or may not be appropriate. At the end of the lecture the audience will have a better understanding as to the reasons why longer follow up be more appropriate.*
- 0830 - 1130 **CONCURRENT D - Correlative Cardiac Imaging: Role of MPI** - Oakes South  
Chair: Dr. Edyta Dudzic
- 0830-0915 CTA and MPI** – Dr. Wael Jaber (Cleveland, OH)  
*Objectives: MPI: Role in risk stratification. MPI: In the era of CT. Is there a role? MPI: Hybrid imaging with CT.*
- 0915-1000 Updates on Rubidium** - Dr. T. Ruddy (Ottawa, ON)
- 1000-1030 Refreshment Break** - Oakes North
- 1030-1110 Pharmacologic Stress** – Dr. Jean-Luc Urbain (Lebanon, PA)
- 1100-1130 Education Research Foundation Board** -Val Cronin (Buffalo)  
*Objectives: Educate audience on ERF's goals. Educate audience on ERF's accomplishments. Inform audience on how to contribute.*
- 1200 **CLOSURE – END OF MEETING / FIN DE LA CONFÉRENCE**

## MAINTENANCE OF CERTIFICATION / MAINTIEN DE CERTIFICATION

This event is an accredited group learning activity as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada and approved by the Canadian Association of Nuclear Medicine and the Canadian Association of Medical Radiation Technologists. Approval is pending from the Canadian College of Family Physicians.

*La présente activité, approuvée par l'Association canadienne de médecine nucléaire, constitue une activité de formation collective agréée conformément à la définition précisée dans le programme de Maintien du certificat du Collège royal des médecins et chirurgiens du Canada. Elle a aussi reçue l'approbation de l'Association canadienne des technologues en radiation médicale. Nous sommes en attente de l'approbation du Collège des médecins de famille du Canada.*

### 2010- 2011 CANM EXECUTIVE / CONSEIL DE L'ACMN

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### ORGANIZING COMMITTEE - 2011 - COMITÉ ORGANISATEUR

Dr. Christopher O'Brien (Chair)  
Dr. Edyta Dudzic  
Mr. Terry Eil  
Dr. Mark Freeman  
Dr. Normand Laurin  
Dr. Daniel Levin  
Dr. Helen Nadel  
Dr. Sandi Plant

### VISIT OUR WEBSITE - SITE WEB

For information, please visit our Website at:

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